

AMENDMENTS TO THE SPECIFICATION:

Please add the following section heading and paragraph beginning on page 1, line 3:

-- Cross-reference to Related Applications

The present application is a continuation of, and claims priority to, U.S. Patent Application No. 09/990,910, filed November 14, 2001, the teachings of which are incorporated herein by reference.--

Please amend the paragraph beginning on page 1, line 6, as follows:

This invention relates to an engine system and more particularly to ~~a gasoline~~ an engine system employing hydrogen enhanced operation.

Please add the following two paragraphs beginning on page 6, line 11, as follows:

-- In yet another aspect, the internal combustion engine system of the present invention includes an internal combustion engine operating on a fuel including natural gas, propane, ethanol or methanol, the engine having a compression ration in the range of 11-16. The system further includes means for introducing into the engine fuel/air mixtures including an amount of hydrogen to substantially eliminate misfire at a first equivalence ratio in the range of 0.4 - 0.7 when the engine is operating below a selected torque or power level and introducing into the engine fuel/air mixtures in a second equivalence ration range. The second equivalence ratio is greater than the first equivalence ratio when the engine is operated above the selected torque or power level and the second equivalence ratio being sufficiently low at all times to prevent knock. Further, a knock sensor is included to detect knock in the engine.

In yet another aspect, the internal combustion system of the present invention includes an internal combustion engine operating on fuel including natural gas, propane, ethanol or methanol, the engine having a compression ratio in the range of 11-16. The system further includes means for introducing into the engine EGR along with a stoichiometric fuel/air mixture including hydrogen sufficient to prevent misfire and wherein the amount of EGR is always sufficient to prevent knock.--